

Task Name
Gate Review
Finalize Manufacturing Costs
Finalize Burden Costs
Motor Testing
Finish analysis on Gearbox (Tolerances, etc.)
MSD 2 Start
Review responsibilities and roles
Review Lessons Learned from MSD 1
Confirm with G&G that all necessary aspects are complete to move on
Have testing feedback forms complete
Order Motors, Ball Bearings, Gears, and Shafts
Buy screws, bucket, plywood, and 2x4s
Order PCB and chips
Order external retaining clips
Submit Proposal for ImagineRIT
Submit external competition proposal
Order pedals
Ensure that all necessary prototype components are ordered
Purchasing prototype case for gearbox
Optimize and Characterize PCB: Will show results to be expected in testing
Attach additions to PCB
Test PCB
Sub-System Functional Demo
Identify and compile necessary tooling
Solidify Workspace
Cut the Gearbox casing to size
Assemble and confirm operation of gearbox
Machining done for shafts and crank arms
Test Gearbox
Assemble Gearbox, Seat, and Track
Preliminary Integrated System Demo
Optimize and characterize system (see general results before testing)
Confirm that all testing is showing results that satisfy ER
Formalize Testing Plan
Write user/maintenance manual
Formalize any manufacturing instructions (SOP, Standard Work)
Create Poster and Paper
Full Integrated System Demo w/ Customer
Recruit testing subjects
Test full design with Gear Box on test subjects
Test Manual and Set up on kids
System Modifications
Test Full system with modifications
Project Complete

